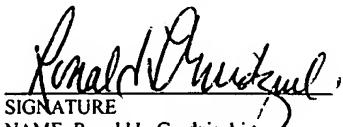
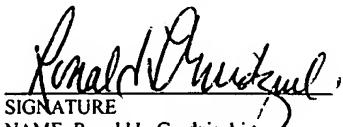
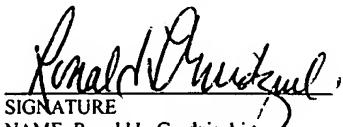


FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY DOCKET NUMBER 47232-5012
		U.S. APPLICATION NO. If known, see 37 CFR 1.5 10/589259
INTERNATIONAL APPLICATION NO. PCT/JP2005/004077	INTERNATIONAL FILING DATE March 9, 2005	PRIORITY CLAIMED JP 2004-064994 filed March 9, 2004
TITLE OF INVENTION ASYMMETRIC REACTION CATALYST AND METHOD FOR PREPARING OPTICALLY ACTIVE COMPOUNDS USING THE SAME		
APPLICANT(S) FOR DO/EO/US Shu KOBAYASHI, Haruro ISHITANI and Yasuhiro YAMASHITA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has not expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or a declaration of the inventor(s) (35 U.S.C. 371 (c)(4)) 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <ol style="list-style-type: none"> (a) PCT/IB/311 (b) PCT/ISA/210 dated July 12, 2005 (d) International Publication No. WO 2005/084803 		

U.S. APPLICATION NUMBER 10/589259 NEW	INTERNATIONAL APPLICATION NO. PCT/JP2005/004077	ATTORNEY DOCKET NUMBER 47232-5012																																																																																														
		Calculations	PTO use only																																																																																													
<p>The following fees are submitted:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">21. <input checked="" type="checkbox"/> Basic national Fee</td> <td style="width: 20%;">\$300.00</td> <td style="width: 20%;">\$300.00</td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$100.00</td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$200.00</td> <td>\$200.00</td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100.00</td> <td>\$400.00</td> </tr> <tr> <td>International Search Report prepared and provided to the Office.....</td> <td>\$400.00</td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$500.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL OF 21, 22 and 23 =</td> <td>\$900.00</td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>41 - 100 =</td> <td>0/50 =</td> <td>0</td> <td>× \$250.00 \$0.00</td> </tr> <tr> <td colspan="4"> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">CLAIMS</td> <td style="width: 20%;">NUMBER FILED</td> <td style="width: 20%;">NUMBER EXTRA</td> </tr> <tr> <td>Total claims</td> <td>20-20 =</td> <td>0</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360.00</td> </tr> <tr> <td colspan="2"></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2"></td> <td>\$900.00</td> </tr> </table> </td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SUBTOTAL =</td> <td style="width: 40%;">\$900.00</td> </tr> <tr> <td>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>+ \$0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> </tr> <tr> <td>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>+ \$40.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be refunded: \$</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be charged: \$</td> </tr> </table> </td> </tr> <tr> <td colspan="4"> a. <input checked="" type="checkbox"/> A check in the amount of <u>\$940.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-0573</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0573</u>. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="4"> NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. </td> </tr> <tr> <td colspan="4"> SEND ALL CORRESPONDENCE TO: CUSTOMER NO.: 055694 </td> </tr> <tr> <td colspan="4"> DRINKER BIDDLE & REATH LLP 1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209 Tel: (202) 842-8800 Fax: (202)-204-0289 </td> </tr> <tr> <td colspan="4" style="text-align: center;">  SIGNATURE NAME: <u>Ronald L. Grudziecki</u> REGISTRATION NUMBER: <u>24,970</u> DATE: <u>August 11, 2006</u> </td> </tr> </table>				21. <input checked="" type="checkbox"/> Basic national Fee	\$300.00	\$300.00	22. <input checked="" type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00		All other situations	\$200.00	\$200.00	23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100.00	\$400.00	International Search Report prepared and provided to the Office.....	\$400.00		All other situations	\$500.00		TOTAL OF 21, 22 and 23 =		\$900.00	<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	41 - 100 =	0/50 =	0	× \$250.00 \$0.00	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">CLAIMS</td> <td style="width: 20%;">NUMBER FILED</td> <td style="width: 20%;">NUMBER EXTRA</td> </tr> <tr> <td>Total claims</td> <td>20-20 =</td> <td>0</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360.00</td> </tr> <tr> <td colspan="2"></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2"></td> <td>\$900.00</td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	Total claims	20-20 =	0	Independent claims	1 - 3 =	0	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00			TOTAL OF ABOVE CALCULATIONS =			\$900.00	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SUBTOTAL =</td> <td style="width: 40%;">\$900.00</td> </tr> <tr> <td>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>+ \$0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> </tr> <tr> <td>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>+ \$40.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be refunded: \$</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be charged: \$</td> </tr> </table>				SUBTOTAL =	\$900.00	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	+ \$0.00	TOTAL NATIONAL FEE =		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	+ \$40.00	TOTAL FEES ENCLOSED =		Amount to be refunded: \$		Amount to be charged: \$		a. <input checked="" type="checkbox"/> A check in the amount of <u>\$940.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-0573</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0573</u> . d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.				SEND ALL CORRESPONDENCE TO: CUSTOMER NO.: 055694				DRINKER BIDDLE & REATH LLP 1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209 Tel: (202) 842-8800 Fax: (202)-204-0289				 SIGNATURE NAME: <u>Ronald L. Grudziecki</u> REGISTRATION NUMBER: <u>24,970</u> DATE: <u>August 11, 2006</u>			
21. <input checked="" type="checkbox"/> Basic national Fee	\$300.00	\$300.00																																																																																														
22. <input checked="" type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00																																																																																															
All other situations	\$200.00	\$200.00																																																																																														
23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100.00	\$400.00																																																																																														
International Search Report prepared and provided to the Office.....	\$400.00																																																																																															
All other situations	\$500.00																																																																																															
TOTAL OF 21, 22 and 23 =		\$900.00																																																																																														
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																													
41 - 100 =	0/50 =	0	× \$250.00 \$0.00																																																																																													
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">CLAIMS</td> <td style="width: 20%;">NUMBER FILED</td> <td style="width: 20%;">NUMBER EXTRA</td> </tr> <tr> <td>Total claims</td> <td>20-20 =</td> <td>0</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360.00</td> </tr> <tr> <td colspan="2"></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2"></td> <td>\$900.00</td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	Total claims	20-20 =	0	Independent claims	1 - 3 =	0	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00			TOTAL OF ABOVE CALCULATIONS =			\$900.00																																																																											
CLAIMS	NUMBER FILED	NUMBER EXTRA																																																																																														
Total claims	20-20 =	0																																																																																														
Independent claims	1 - 3 =	0																																																																																														
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00																																																																																														
		TOTAL OF ABOVE CALCULATIONS =																																																																																														
		\$900.00																																																																																														
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SUBTOTAL =</td> <td style="width: 40%;">\$900.00</td> </tr> <tr> <td>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>+ \$0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> </tr> <tr> <td>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>+ \$40.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be refunded: \$</td> </tr> <tr> <td colspan="2" style="text-align: right;">Amount to be charged: \$</td> </tr> </table>				SUBTOTAL =	\$900.00	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	+ \$0.00	TOTAL NATIONAL FEE =		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	+ \$40.00	TOTAL FEES ENCLOSED =		Amount to be refunded: \$		Amount to be charged: \$																																																																																
SUBTOTAL =	\$900.00																																																																																															
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	+ \$0.00																																																																																															
TOTAL NATIONAL FEE =																																																																																																
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	+ \$40.00																																																																																															
TOTAL FEES ENCLOSED =																																																																																																
Amount to be refunded: \$																																																																																																
Amount to be charged: \$																																																																																																
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$940.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-0573</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0573</u> . d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																																
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.																																																																																																
SEND ALL CORRESPONDENCE TO: CUSTOMER NO.: 055694																																																																																																
DRINKER BIDDLE & REATH LLP 1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209 Tel: (202) 842-8800 Fax: (202)-204-0289																																																																																																
 SIGNATURE NAME: <u>Ronald L. Grudziecki</u> REGISTRATION NUMBER: <u>24,970</u> DATE: <u>August 11, 2006</u>																																																																																																